

## EAST Search History

| Ref # | Hits   | Search Query   | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|--------|--|---|------------------|---------|---------------------|
| L1    | 55     | ((TAKEHIKO) near2 (NAKANO)).INV.   | US-PGPUB;<br>USPAT  | OR               | OFF     | 2009/02/02<br>14:10 |
| L2    | 146    | ((HISATO) near2 (SHIMA)).<br>INV.  | US-PGPUB;<br>USPAT  | OR               | OFF     | 2009/02/02<br>14:10 |
| L3    | 14     | l1 and l2  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2009/02/02<br>14:10 |
| L4    | 2      | l3 and (judgment near5 unit)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2009/02/02<br>14:43 |
| L5    | 56     | (transmission near5<br>judgement ) and ( response<br>near5 unit)             | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2009/02/02<br>14:45 |
| L6    | 0      | l2 and (transmission near5<br>judgement ) and ( response<br>near5 unit).clm. | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2009/02/02<br>14:45 |
| L7    | 0      | l2 and (transmission near5<br>judgement ).clm.                               | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2009/02/02<br>14:45 |
| L8    | 2      | l1 and ( expected near5 value).<br>clm.                                      | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2009/02/02<br>14:46 |
| L10   | 349420 | sony.as.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2009/02/02<br>14:47 |

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| L11 | 342 | l10 and ( expected near5 value)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/02<br>14:48 |
| L12 | 4   | l11 and ( judgement near5 unit)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/02<br>14:48 |
| L13 | 0   | l10 and ( command adj transmission) same ( expected adj authentication) same ( measurement adj unit) same ( judgement adj unit)      | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/02<br>14:53 |
| L14 | 1   | l10 and ( measurement adj unit) same ( judgement adj unit)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/02<br>14:54 |
| L15 | 0   | l10 and ( measurement adj unit) same ( judgement adj unit).clm.  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/02<br>14:54 |
| L16 | 0   | l10 and ( command adj transmission) same ( expected adj authentication) same ( measurement adj unit) same ( judgement adj unit).clm. | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/02<br>14:55 |
| L17 | 1   | l10 and ( command adj transmission) same ( expected adj authentication).clm.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/02<br>14:57 |
| L29 | 7   | "669744".pn.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/02<br>16:34 |
| L30 | 2   | "6697644".pn.  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/02<br>16:34 |

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| L31 | 2    | "6377589".pn.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/02<br>16:37 |
| L32 | 2    | "20030065918"   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/02/02<br>16:41 |
| S1  | 55   | (takehiko near1 nakano).in.   | US-PGPUB;<br>USPAT; USOCR   | OR | ON  | 2009/01/03<br>11:04 |
| S2  | 146  | (hisato near1 shima).in.  | US-PGPUB;<br>USPAT; USOCR   | OR | ON  | 2009/01/03<br>11:16 |
| S3  | 2543 | (hisato shima).in.  | US-PGPUB;<br>USPAT; USOCR   | OR | ON  | 2009/01/03<br>11:16 |
| S4  | 1605 | (shima).in.   | US-PGPUB;<br>USPAT; USOCR   | OR | ON  | 2009/01/03<br>11:16 |
| S5  | 146  | ( hisato near shima).in.  | US-PGPUB;<br>USPAT; USOCR   | OR | ON  | 2009/01/03<br>11:17 |
| S6  | 2537 | 713/168.ccls.   | US-PGPUB;<br>USPAT; USOCR   | OR | ON  | 2009/01/03<br>11:32 |
| S7  | 148  | S6 and (respon\$4 retur\$4<br>answer\$4 acknowledgement )<br>near10 (( challeng\$4 claim\$4<br>demand\$4 )near3 ( key data<br>string )) | US-PGPUB;<br>USPAT; USOCR   | OR | ON  | 2009/01/03<br>12:14 |
| S8  | 277  | S6 and (respon\$4 retur\$4<br>answer\$4 acknowledgement )<br>near10 ( authenticat\$4 near3<br>( key data string ))                      | US-PGPUB;<br>USPAT; USOCR   | OR | ON  | 2009/01/03<br>12:23 |
| S9  | 283  | S6 and (respon\$4 conform\$4<br>validat\$4 ) near10<br>( authenticat\$4 near3 ( key<br>data string ))                                   | US-PGPUB;<br>USPAT; USOCR   | OR | ON  | 2009/01/03<br>12:26 |
| S10 | 232  | (@ad<"20051025") and S9   | US-PGPUB;<br>USPAT; USOCR   | OR | ON  | 2009/01/03<br>12:28 |
| S11 | 17   | S10 and ( authenticat\$4 )<br>near10 ( shar\$4 near3 data)  | US-PGPUB;<br>USPAT; USOCR   | OR | ON  | 2009/01/03<br>12:43 |
| S12 | 4    | S10 and ( authenticat\$4 )<br>near10 ((receiver recipient<br>server)with ( shar\$4 near3<br>data))                                      | US-PGPUB;<br>USPAT; USOCR   | OR | ON  | 2009/01/03<br>12:46 |
| S13 | 5    | S10 and (data near5<br>transmission)same( authenticat<br>\$5 near10 time)   | US-PGPUB;<br>USPAT; USOCR   | OR | ON  | 2009/01/03<br>13:17 |
| S14 | 5    | S10 and (data near5<br>transmission)same( authenticat<br>\$5 near10 time)   | US-PGPUB;<br>USPAT; USOCR;<br>JPO                                       | OR | ON  | 2009/01/03<br>16:08 |

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| S15 | 2       | "20020035690"  | US-PGPUB;<br>USPAT; USOCR;<br>JPO     | OR | ON  | 2009/01/03<br>16:14 |
| S16 | 2       | "20030226011"  | US-PGPUB;<br>USPAT; USOCR;<br>JPO     | OR | ON  | 2009/01/03<br>17:51 |
| S17 | 153     | S6 and ( data near3<br>transmission )and ( grant\$4<br>accept\$4)same (authentica\$4<br>with response time)        | US-PGPUB;<br>USPAT; USOCR;<br>JPO     | OR | ON  | 2009/01/03<br>18:35 |
| S18 | 8       | S17 and ( receiver reception<br>receptor ) near10 (grant\$4<br>accept\$4 ) same (data<br>transmission)             | US-PGPUB;<br>USPAT; USOCR;<br>JPO     | OR | ON  | 2009/01/03<br>18:37 |
| S19 | 2       | "20030005284"  | US-PGPUB;<br>USPAT; USOCR;<br>JPO     | OR | ON  | 2009/01/03<br>18:53 |
| S21 | 482     | 713/161.ccls.  | US-PGPUB;<br>USPAT; USOCR             | OR | ON  | 2009/01/10<br>13:39 |
| S22 | 12      | ( random near5 (challeng\$5<br>adj1 response ) near5 ( data<br>message string ) and ( data<br>near3 transmission)) | US-PGPUB;<br>USPAT; USOCR             | OR | ON  | 2009/01/10<br>13:40 |
| S23 | 238000  | ( authenticat\$5 with (data)<br>(response near3 time))   | US-PGPUB;<br>USPAT; USOCR             | OR | ON  | 2009/01/10<br>13:46 |
| S24 | 29      | ( data near5 authenticat\$5 )<br>and ( shar\$4 near3 data )<br>same ( response near3 time)                         | US-PGPUB;<br>USPAT; USOCR             | OR | ON  | 2009/01/10<br>13:52 |
| S25 | 0       | S21 and S22 and S24  | US-PGPUB;<br>USPAT; USOCR             | OR | ON  | 2009/01/10<br>13:53 |
| S26 | 1       | S21 and S22  | US-PGPUB;<br>USPAT; USOCR             | OR | ON  | 2009/01/10<br>13:53 |
| S27 | 0       | S21 and S24  | US-PGPUB;<br>USPAT; USOCR             | OR | ON  | 2009/01/10<br>13:56 |
| S28 | 1652    | 713/182.ccls.  | US-PGPUB;<br>USPAT; USOCR             | OR | ON  | 2009/01/10<br>14:17 |
| S29 | 0       | S22 and S28  | US-PGPUB;<br>USPAT; USOCR             | OR | ON  | 2009/01/10<br>14:17 |
| S30 | 768     | S28 and S23  | US-PGPUB;<br>USPAT; USOCR             | OR | ON  | 2009/01/10<br>14:18 |
| S31 | 0       | S30 and S22  | US-PGPUB;<br>USPAT; USOCR             | OR | ON  | 2009/01/10<br>14:18 |
| S32 | 24      | S30 and ( challeng\$5 adj1<br>response ) and ( data near3<br>transmission)   | US-PGPUB;<br>USPAT; USOCR             | OR | ON  | 2009/01/10<br>14:19 |
| S33 | 2       | "10528562"   | US-PGPUB;<br>USPAT; USOCR             | OR | ON  | 2009/01/10<br>14:32 |
| S34 | 1188631 | transmitting   | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | OR | OFF | 2009/01/10<br>15:51 |

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| S35 | 1252228 | transmitting command near10 response  | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | OR | OFF | 2009/01/10<br>15:51 |
| S36 | 26986   | (transmit\$4 near5 (command request ) near5 ( response acknowledgement))                      | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | OR | OFF | 2009/01/10<br>15:52 |
| S37 | 396     | S36 and ( receiv\$5 near5 authenticat\$5 near5 message)                                       | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | OR | OFF | 2009/01/10<br>15:55 |
| S38 | 6       | S37 and (random near5 (challeng\$5 adj1 response))  | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | OR | OFF | 2009/01/10<br>15:59 |
| S39 | 8       | S37 and (random near10 challeng\$5 near10 data near10 authenticat\$5)                         | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | OR | OFF | 2009/01/10<br>16:06 |
| S40 | 2       | S37 and ((keyed adj hash) near3 (Produc\$4 generat\$4 creat\$4 ) same ( hash near3 value))    | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | OR | OFF | 2009/01/10<br>16:22 |
| S41 | 7       | S37 and ((key\$4 near3 hash) near3 (Produc\$4 generat\$4 creat\$4 ) same ( hash near3 value)) | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | OR | OFF | 2009/01/10<br>16:23 |
| S42 | 2       | "6088450".pn.   | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | OR | OFF | 2009/01/17<br>13:24 |
| S44 | 2556    | 713/168.ccls.   | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | OR | OFF | 2009/01/19<br>12:20 |
| S45 | 580     | 713/169.ccls.   | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | OR | OFF | 2009/01/19<br>12:20 |
| S46 | 174     | S45 and S44   | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | OR | OFF | 2009/01/19<br>12:20 |
| S47 | 413     | 380/247.ccls.   | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | OR | OFF | 2009/01/19<br>12:21 |
| S48 | 12      | S44 and S45 and S47   | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | OR | OFF | 2009/01/19<br>12:21 |
| S49 | 174     | S44 and S45   | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | OR | OFF | 2009/01/19<br>12:29 |
| S57 | 66      | S45 and (MD5 )  | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | OR | OFF | 2009/01/19<br>12:38 |
| S58 | 357     | S44 and (MD5 )  | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | OR | OFF | 2009/01/19<br>12:38 |
| S60 | 60      | S44 and (keyed adj1 hash )  | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | OR | OFF | 2009/01/19<br>12:39 |

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| S65 | 11     | S60 and ( acknowledgement)  | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | OR | OFF | 2009/01/19<br>12:43 |
| S66 | 2556   | 713/168.ccls.   | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | OR | OFF | 2009/01/19<br>14:17 |
| S67 | 27     | S66 and ( mutual near3<br>authentica\$4) with ( secret<br>near4 key)  | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | OR | OFF | 2009/01/19<br>14:18 |
| S68 | 29     | S66 and ( challenge near4<br>authentica\$4) with ( secret<br>near4 key)   | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | OR | OFF | 2009/01/19<br>15:21 |
| S69 | 0      | S66 and ( (data near3 transmi<br>\$5) same ( grant\$4 accept\$4<br>acknowledge admit\$4 )same<br>( (response answer reply )<br>near5 time)) | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | OR | OFF | 2009/01/19<br>15:46 |
| S70 | 14     | S66 and ( (data near3 transmi<br>\$5) same ( grant\$4 accept\$4<br>acknowledge admit\$4 )same<br>response )                                 | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | OR | OFF | 2009/01/19<br>15:47 |
| S71 | 0      | S68 and S70   | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | OR | OFF | 2009/01/19<br>15:50 |
| S72 | 174    | ( challenge near4 authentica<br>\$4) with ( secret near4 key)   | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | OR | OFF | 2009/01/19<br>15:51 |
| S73 | 5388   | ((data near3 transmi\$5) same<br>( grant\$4 accept\$4<br>acknowledge admit\$4 )same<br>response )   | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | OR | OFF | 2009/01/19<br>15:51 |
| S74 | 2      | S72 and S73   | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | OR | OFF | 2009/01/19<br>15:52 |
| S75 | 14     | S66 and S73   | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | OR | OFF | 2009/01/19<br>15:53 |
| S76 | 14     | S66 and S73   | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | OR | OFF | 2009/01/19<br>17:06 |
| S77 | 149    | S66 and (HMAC)  | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | OR | OFF | 2009/01/19<br>17:23 |
| S78 | 937944 | 17a nd S77  | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | OR | OFF | 2009/01/19<br>17:24 |
| S79 | 2      | S72 and S77   | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | OR | OFF | 2009/01/19<br>17:24 |
| S80 | 15     | S66 and ( random near5<br>HMAC )and ( authentica\$5<br>near3 data)  | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | OR | OFF | 2009/01/19<br>17:51 |

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| S81  | 18  | S66 and ( random near5 HMAC )                               | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | OR | OFF | 2009/01/19<br>17:55 |
| S87  | 0   | S72 and ( random near5 HMAC )                               | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | OR | OFF | 2009/01/19<br>18:11 |
| S88  | 0   | S73 and ( random near5 HMAC )                               | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | OR | OFF | 2009/01/19<br>18:11 |
| S89  | 103 | S66 and ( HMAC near5 authenticat\$4)                        | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | OR | OFF | 2009/01/19<br>18:13 |
| S90  | 30  | S66 and ( random same HMAC same authenticat\$4)             | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | OR | OFF | 2009/01/19<br>18:16 |
| S91  | 38  | S72 and ( authenticat\$4 near5 hash)                        | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | OR | OFF | 2009/01/19<br>18:34 |
| S92  | 7   | S72 and ( authenticat\$4 near5 HMAC)                        | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | OR | OFF | 2009/01/19<br>18:36 |
| S96  | 0   | S66 and ( secrate near3 key ) and ( HMAC)                   | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | OR | OFF | 2009/01/19<br>18:44 |
| S97  | 0   | S72 and ( secrate near3 key ) and ( HMAC)                   | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | OR | OFF | 2009/01/19<br>18:45 |
| S98  | 11  | S72 and ( shar\$4 near3 key ) and ( HMAC)                   | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | OR | OFF | 2009/01/19<br>18:45 |
| S99  | 29  | S72 and ( HMAC)   | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | OR | OFF | 2009/01/19<br>18:45 |
| S100 | 7   | S72 and (HMAC near5 authentication)                         | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | OR | OFF | 2009/01/19<br>18:53 |
| S101 | 1   | 11/580741.app.  | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | OR | OFF | 2009/01/19<br>19:03 |
| S102 | 1   | 10/528562.app.  | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | OR | OFF | 2009/01/21<br>11:14 |
| S105 | 1   | ("20040103303").PN.   | US-PGPUB;<br>USPAT; USOCR             | OR | OFF | 2009/01/21<br>13:35 |
| S107 | 174 | ( challenge near4 authenticat \$4) with ( secret near4 key) | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | OR | OFF | 2009/01/24<br>14:41 |
| S108 | 0   | S107 and ( transmisson near4 timer)                         | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | OR | OFF | 2009/01/24<br>14:42 |
| S109 | 0   | S107 and ( data adj transmisson near4 ( time timer))        | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT | OR | OFF | 2009/01/24<br>14:43 |

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|------|------|--|---|----|-----|---------------------|
| S110 | 2558 | 713/168.ccls.                                    | US-PGPUB;<br>USPAT; USOCR   | OR | ON  | 2009/01/24<br>14:43 |
| S113 | 2    | "2003164516"                                     | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/24<br>15:01 |
| S114 | 0    | "2003/164516"                                    | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/24<br>15:01 |
| S115 | 2    | "10528562"                                       | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/24<br>15:10 |
| S116 | 2648 | HMAC   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/24<br>15:13 |
| S117 | 828  | S116 and challenge                               | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/24<br>15:13 |
| S118 | 38   | S117 and key\$hash                               | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/24<br>15:14 |
| S119 | 426  | S117 and (keyed\$hash or (key<br>\$3 near hash)) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/24<br>15:15 |
| S120 | 417  | S119 and time                                    | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/24<br>15:15 |
| S121 | 329  | S120 and counter                                 | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/24<br>15:16 |

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|------|------|---|---|----|-----|---------------------|
| S122 | 329  | S121 and message  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/24<br>15:17 |
| S123 | 124  | S122 and unauthor\$5  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/24<br>15:18 |
| S124 | 124  | S123 and random   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/24<br>15:19 |
| S125 | 121  | S123 and random same<br>challenge   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/24<br>15:19 |
| S126 | 111  | S125 and (judg\$5 or decision<br>\$7)   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/24<br>15:22 |
| S127 | 110  | S126 and expect\$5 same<br>value  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/24<br>15:23 |
| S128 | 4    | S126 and (expect\$5 same<br>value same (compare or<br>comparing or compared)) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/24<br>15:24 |
| S129 | 0    | quasi same random same<br>number  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/24<br>15:27 |
| S130 | 1182 | quasi same random same<br>number  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/24<br>15:27 |

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|------|-----|---|---|----|-----|---------------------|
| S131 | 4   | S130 and keyed near hash                                | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/24<br>15:27 |
| S132 | 984 | keyed near hash   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/24<br>15:27 |
| S133 | 634 | S132 and random near number                             | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/24<br>15:27 |
| S134 | 404 | S133 and challenge                                      | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/24<br>15:28 |
| S135 | 337 | S134 and response same time                             | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/24<br>15:28 |
| S136 | 327 | S135 and random same number same challenge              | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/24<br>15:29 |
| S137 | 201 | S135 and random same number same challenge same message | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/24<br>15:29 |
| S138 | 21  | S137 and value same challenge                           | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/24<br>15:29 |
| S139 | 0   | WO-03003687-\$.DID. OR WO-03079638-\$.DID.              | US-PGPUB;<br>USPAT; USOCR   | OR | OFF | 2009/01/24<br>15:36 |
| S140 | 0   | WO-03003687-\$.DID. OR WO-03079638-\$.DID.              | US-PGPUB;<br>USPAT; USOCR   | OR | OFF | 2009/01/24<br>15:36 |
| S141 | 0   | WO-2004030311-\$.DID.                                   | US-PGPUB;<br>USPAT; USOCR   | OR | OFF | 2009/01/24<br>15:37 |

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|------|------|-----------------------------|---|----|-----|---------------------|
| S142 | 0    | "10528562".app.             | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT                                   | OR | OFF | 2009/01/26<br>09:45 |
| S143 | 1    | 10/528562.app.              | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT                                   | OR | OFF | 2009/01/26<br>09:46 |
| S144 | 4691 | random same challenge       | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/26<br>19:27 |
| S145 | 2054 | S144 and response same time | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/26<br>19:27 |
| S146 | 1504 | S145 and message            | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/26<br>19:27 |
| S147 | 106  | S146 and VPN                | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/26<br>19:28 |
| S148 | 359  | VPN same subnet             | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/26<br>19:32 |
| S149 | 111  | S148 and response same time | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/26<br>19:33 |
| S150 | 5    | S149 and Hop same count     | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/26<br>19:33 |
| S151 | 2988 | Hop same count              | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/26<br>19:34 |

|      |       |                                |   |    |     |                     |
|------|-------|--------------------------------|---|----|-----|---------------------|
| S152 | 12    | S151 and VPN same subnet       | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/26<br>19:34 |
| S153 | 5     | S152 and hash                  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/26<br>19:35 |
| S154 | 48528 | hash                           | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/26<br>19:35 |
| S155 | 283   | S154 and hop same count        | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/26<br>19:35 |
| S156 | 241   | S155 and key\$5                | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/26<br>19:35 |
| S157 | 95    | S156 and random same<br>number | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/26<br>19:36 |
| S158 | 70    | S157 and router                | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/26<br>19:36 |
| S159 | 47    | S158 and authent\$8            | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/26<br>19:37 |
| S160 | 47    | S159 and time                  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/26<br>19:37 |

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|------|-----|--|---|----|-----|---------------------|
| S161 | 38  | S159 and time same response                                | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/26<br>19:38 |
| S162 | 176 | hop same count same IP same router                         | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/26<br>19:38 |
| S163 | 13  | S162 and copyright   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/26<br>19:39 |
| S164 | 3   | S163 and hash  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/26<br>19:43 |
| S165 | 716 | (transmitting same content same (protected or copyright) ) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/26<br>19:44 |
| S166 | 114 | S165 and hash  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/26<br>19:45 |
| S167 | 58  | S166 and (key same (share or shared or sharing ))          | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/26<br>19:45 |
| S168 | 178 | keyed\$hash  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/26<br>19:51 |
| S169 | 16  | S168 and VPN   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/26<br>19:51 |

|      |        |   |   |    |     |                     |
|------|--------|---|---|----|-----|---------------------|
| S170 | 196    | secret same key same hash<br>same predetermin\$5    | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/26<br>19:52 |
| S171 | 26     | S170 and challenge                                  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/26<br>19:53 |
| S172 | 5803   | expected same value same<br>predetermined same time | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/26<br>19:55 |
| S173 | 522    | S172 and random same<br>number                      | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/26<br>19:55 |
| S174 | 27     | S173 and challenge                                  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/26<br>19:55 |
| S175 | 568569 | recording same medium                               | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/26<br>19:56 |
| S176 | 93374  | recording same medium same<br>time                  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/26<br>19:56 |
| S177 | 99     | S176 and VPN  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/26<br>19:57 |
| S178 | 17     | S177 and hash                                       | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/26<br>19:57 |

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|------|-------|--|---|----|-----|---------------------|
| S179 | 91526 | (response same time same<br>(measurement or measured or<br>measure)) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/26<br>19:59 |
| S180 | 5517  | S179 and challenge   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/26<br>19:59 |
| S181 | 196   | S180 and hash  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/26<br>19:59 |
| S182 | 177   | S181 and message   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/26<br>20:00 |
| S183 | 172   | S182 and value   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/26<br>20:00 |
| S184 | 91    | S183 and secret near key   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/26<br>20:00 |
| S185 | 118   | S183 and ((secret or private)<br>near key )                          | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/26<br>20:00 |
| S186 | 106   | S185 and (id or identifier)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/26<br>20:01 |
| S187 | 76    | S186 and terminal  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/26<br>20:01 |

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| S188 | 40     | predetermined same time same TL                              | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/26<br>20:03 |
| S189 | 62     | predetermined same time same terminal                        | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/26<br>20:03 |
| S190 | 86     | random same challenge same expected same value               | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/26<br>20:04 |
| S191 | 24     | S190 and (decision or judge or judging or judgement)         | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/26<br>20:05 |
| S192 | 232692 | response same request  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/26<br>20:06 |
| S193 | 2      | response same request same transmit                          | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/26<br>20:06 |
| S194 | 23261  | response same request same transmit                          | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/26<br>20:06 |
| S195 | 61     | response same request same transmit same expected same value | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/26<br>20:07 |
| S196 | 236674 | response near4 time  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/26<br>20:08 |

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| S197 | 5858   | S196 and "N" near4 response | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/26<br>20:09 |
| S198 | 375    | S197 and challenge          | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/26<br>20:09 |
| S199 | 72     | S198 and hash               | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/26<br>20:09 |
| S200 | 103698 | counter same response       | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/26<br>20:10 |
| S201 | 1221   | S200 and hash               | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/26<br>20:10 |
| S202 | 836    | S201 and key                | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/26<br>20:10 |
| S203 | 594    | S202 and time same response | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/26<br>20:10 |
| S204 | 169    | S203 and challenge          | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/26<br>20:11 |
| S205 | 116    | S204 and random same number | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/26<br>20:11 |

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| S206 | 95      | S205 and sequence                               | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/26<br>20:12 |
| S207 | 1393670 | ((prescrib\$8 or predetermin<br>\$8) same time) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/26<br>20:13 |
| S208 | 18548   | S207 and challenge                              | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/26<br>20:14 |
| S209 | 1896    | S208 and hash                                   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/26<br>20:14 |
| S210 | 264     | S209 and VPN                                    | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/26<br>20:14 |
| S211 | 0       | S210 and counte                                 | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/26<br>20:14 |
| S212 | 182     | S210 and counter                                | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/26<br>20:14 |
| S213 | 177     | S212 and response same time                     | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/26<br>20:15 |
| S214 | 13      | S213 and sequence near<br>number                | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/26<br>20:16 |
| S215 | 1       | US-20040268131-\$.DID.                          | US-PGPUB;<br>USPAT; USOCR   | OR | OFF | 2009/01/26<br>20:17 |

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| S216 | 0      | "29939226911"  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2009/01/26<br>20:19 |
| S217 | 3      | "20030226011"  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2009/01/26<br>20:20 |
| S218 | 6612   | timer and challenge  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2009/01/26<br>20:23 |
| S219 | 1011   | S218 and hash  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2009/01/26<br>20:23 |
| S220 | 973    | S219 and response  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2009/01/26<br>20:23 |
| S221 | 664    | S220 and random same<br>number   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2009/01/26<br>20:24 |
| S222 | 164    | S221 and key same exchange   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2009/01/26<br>20:24 |
| S223 | 180174 | sony.as.   | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT                                   | OR  | OFF | 2009/01/27<br>18:25 |
| S224 | 1061   | S223 (authentication\$4 or<br>challenge or hash)near (value<br>or data or information) | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT                                   | AND | OFF | 2009/01/27<br>18:28 |
| S225 | 79     | S224 (challenge)(response)   | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT                                   | AND | OFF | 2009/01/27<br>18:28 |
| S226 | 58     | S225 (reception)(control)<br>(random)  | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT                                   | AND | OFF | 2009/01/27<br>18:28 |

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|------|----|---|---|-----|-----|---------------------|
| S227 | 58 | S226 (time\$3)  | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT                                   | AND | OFF | 2009/01/27<br>18:29 |
| S228 | 58 | S227 ((expected or stored))   | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT                                   | AND | OFF | 2009/01/27<br>18:31 |
| S229 | 12 | S227 ((expected or stored)<br>(authenticat\$4)(control\$4)).<br>clm.  | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT                                   | AND | OFF | 2009/01/27<br>18:31 |
| S230 | 0  | S223 ((expected or stored)<br>same(authenticat\$4 or hash)<br>same(control\$4 or data or<br>value or result or information)).<br>clm.(control\$4).clm.<br>((challenge)(response)(time<br>\$3)).clm. | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT                                   | AND | OFF | 2009/01/27<br>18:33 |
| S231 | 13 | S223 ((expected or stored)<br>same(authenticat\$4 or hash)<br>same(control\$4 or data or<br>value or result or information)).<br>clm.(control\$4).clm.<br>((challenge)(response)(time<br>\$3))      | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT                                   | AND | OFF | 2009/01/27<br>18:33 |
| S232 | 15 | S229 or S231  | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT                                   | AND | OFF | 2009/01/27<br>18:33 |
| S233 | 1  | 10/528562.app.  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR  | OFF | 2009/02/02<br>10:13 |

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